

Marked Version

To study the ability of the CABs to mediate transcriptional activation in the context of FKBP:FK506, a (Xhol/Spel) fragment containing the transcriptional activation domain of the p65 subunit of NF- κ B was inserted into (Sall/Spel) digested mCAB constructs. This fusion results in another (Sall/Xhol) fusion which cannot be cut by either enzyme. A similar strategy is possible to generate multimers of the CAB domain, greatly facilitating the production of these reagents. Since all of the restriction enzymes within the coding region are 6-base cutters, they preserve the reading frame for protein synthesis. The mature CAB should have the following amino acid sequence:

NH₂-Met-Leu-Glu-(CnA frag)- followed by Val-Glu-(CnB frag)-, followed by Val-Asp-Thr-Ser-COOH (SEQ ID NO 22).

New mCAB-p65 constructs were verified by sequence analysis.

Respectfully submitted,



David L. Berstein, Reg No. 31,235
ARIAD Pharmaceuticals, Inc.
26 Landsdowne Street
Cambridge, MA 02139
Telephone: 617-494-0400 Ext. 266
Facsimile: 617-494-0208

I hereby certify that this paper is being deposited with the United States Postal Service via First Class Mail under 37 CFR 1.08 on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, DC 20231

Date August 28, 2001 Signed Sue Wilson
Sue Wilson